

SPECIFICATIONS

Power Amplifier Section

Power Output

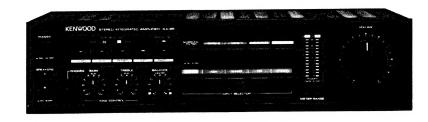
80 watts* per channel minimum RMS, both channels driven, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion

Both Channels Driven into 8 ohms at 1,000 Hz 85 W + 85 W (Except U.S.A., Europe and U.K.) 4 ohms at 1,000 Hz 78 W + 78 W (Except U.S.A., Europe and U.K.) Music Power Output (8 ohms) 145 W + 145 W (Except U.S.A., Europe and U.K.) Total Harmonic Distortion AUX → SPKR (8 Ω) / Power in → SPKR (8 Ω) (20 Hz to 20,000 Hz) At Rated Output 0.09% At 1/2 Rated Output 0.005% Phono → SPKR (8 Ω) / At −20 dB Volume Level (1,000 Hz) At Rated Output 0.04% Intermodulation Distortion (60 Hz : 7,000 Hz = 4 : 1) At Rated Output 0.02% into 8 ohms Damping Factor 30 (50 Hz) Frequency Response Overell (AUX → SPKR) 10 Hz to 70,000 Hz, ±0.5 dB Phono "RIAA" Response (Phono → REC out) 30 Hz to 20 Hz, ±0.5 dB Power Bandwidth 10 Hz to 50,000 Hz 0.2% T.H.D. 8 ohms Input Sensitivity/Impedance Phono MM 2.5 mV / 47 k ohms Tuner, AUX., Tape Play 150 mV / 33 k ohms Signal-to-Noise Ratio (IHF-A) Phono MM 75 dB at 2.5 mV Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level MM 150 mV (Phono to Tape REC), 0.05% T.H.D.		
U.S.A., Europe and U.K.) 4 ohms at 1,000 Hz 78 W + 78 W (Except U.S.A., Europe and U.K.) Music Power Output (8 ohms) 145 W + 145 W (Except U.S.A., Europe and U.K.) Total Harmonic Distortion AUX → SPKR (8 Ω)/ Power in → SPKR (8 Ω) (20 Hz to 20,000 Hz) At Rated Output 0.09% At 1/2 Rated Output 0.05% (1,000 Hz) At Rated Output 0.005% Phono → SPKR (8 Ω)/ At −20 dB Volume Level (1,000 Hz) At Rated Output 0.04% Intermodulation Distortion (60 Hz : 7,000 Hz = 4 : 1) At Rated Output 0.02% into 8 ohms Damping Factor 30 (50 Hz) Frequency Response Overell (AUX → SPKR) 10 Hz to 70,000 Hz, +0 dB, −3 dB Phono "RIAA" Response (Phono → REC out) 30 Hz to 20 Hz, ±0.5 dB Power Bandwidth 10 Hz to 50,000 Hz 0.2% T.H.D. 8 ohms Input Sensitivity/Impedance Phono MM 2.5 mV/ 47 k ohms Tuner, AUX., Tape Play 150 mV/ 33 k ohms Signal-to-Noise Ratio (IHF-A) Phono MM 75 dB at 2.5 mV Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level MM 150 mV (Phono to Tape REC), 0.05% T.H.D.	Both Channels Driven into	
4 ohms at 1,000 Hz	8 ohms at 1,000 Hz	85 W + 85 W (Except
U.S.A., Europe and U.K.⟩ Music Power Output (8 ohms) 145 W + 145 W (Except U.S.A., Europe and U.K.⟩ Total Harmonic Distortion AUX → SPKR (8 Ω)/ Power in → SPKR (8 Ω) (20 Hz to 20,000 Hz) At Rated Output 0.09% At 1/2 Rated Output 0.05% (1,000 Hz) At 1/2 Rated Output 0.005% Phono → SPKR (8 Ω)/ At −20 dB Volume Level (1,000 Hz) At Rated Output 0.04% Intermodulation Distortion (60 Hz : 7,000 Hz = 4 : 1) At Rated Output 0.02% into 8 ohms Damping Factor 30 (50 Hz) Frequency Response Overell (AUX → SPKR) 10 Hz to 70,000 Hz, +0 dB, −3 dB Phono "RIAA" Response (Phono → REC out) 30 Hz to 20 Hz, ±0.5 dB Power Bandwidth 10 Hz to 50,000 Hz 0.2% T.H.D. 8 ohms Input Sensitivity/Impedance Phono MM 2.5 mV / 47 k ohms Tuner, AUX., Tape Play 150 mV / 33 k ohms Signal-to-Noise Ratio (IHF-A) Phono MM 75 dB at 2.5 mV Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level MM 150 mV (Phono to Tape REC), 0.05% T.H.D.		U.S.A., Europe and U.K.)
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U.S.A., Europe and U.K.) Total Harmonic Distortion AUX → SPKR (8 Ω)/ Power in → SPKR (8 Ω) (20 Hz to 20,000 Hz) At Rated Output		U.S.A., Europe and U.K.)
Total Harmonic Distortion $AUX \rightarrow SPKR \ (8 \ \Omega)/ Power in \rightarrow SPKR \ (8 \ \Omega)$ $(20 \ Hz \ to 20,000 \ Hz)$ $At \ Rated \ Output \qquad 0.09\%$ $At \ 1/2 \ Rated \ Output \qquad 0.05\%$ $(1,000 \ Hz)$ $At \ 1/2 \ Rated \ Output \qquad 0.005\%$ $Phono \rightarrow SPKR \ (8 \ \Omega)/ \ At = 20 \ dB \ Volume \ Level$ $(1,000 \ Hz)$ $At \ Rated \ Output \qquad 0.04\%$ $Intermodulation \ Distortion \ (60 \ Hz: 7,000 \ Hz = 4: 1)$ $At \ Rated \ Output \qquad 0.02\% \ into 8 \ ohms$ $Damping \ Factor \qquad 30 \ (50 \ Hz)$ $Frequency \ Response$ $Overell \ (AUX \rightarrow SPKR) \qquad 10 \ Hz \ to 70,000 \ Hz, +0 \ dB, -3 \ dB$ $Phono \ "RIAA" \ Response$ $(Phono \rightarrow REC \ out) \qquad 30 \ Hz \ to 20 \ Hz, \pm 0.5 \ dB$ $Power \ Bandwidth \qquad 10 \ Hz \ to 50,000 \ Hz$ $0.2\% \ T.H.D. \ 8 \ ohms$ $Input \ Sensitivity/Impedance$ $Phono \ MM \qquad 2.5 \ mV/ \ 47 \ k \ ohms$ $Tuner, \ AUX., \ Tape \ Play \qquad 150 \ mV/ \ 33 \ k \ ohms$ $Signal-to-Noise \ Ratio \ (IHF-A)$ $Phono \ MM \qquad 75 \ dB \ at \ 2.5 \ mV$ $Phono \ MM \qquad 81 \ dB \ at \ 5.0 \ mV$ $Tuner, \ AUX., \ Tape \ Play \qquad 100 \ dB$ $Phono \ Maximum \ Input \ Level$ $MM \qquad 150 \ mV \ (Phono \ to \ Tape \ REC), \ 0.05\% \ T.H.D.$	Music Power Output (8 ohms)	145 W + 145 W (Except
AUX → SPKR (8 Ω)/ Power in → SPKR (8 Ω) (20 Hz to 20,000 Hz) At Rated Output 0.09% At 1/2 Rated Output 0.05% (1,000 Hz) At 1/2 Rated Output 0.005% Phono → SPKR (8 Ω)/ At −20 dB Volume Level (1,000 Hz) At Rated Output 0.04% Intermodulation Distortion (60 Hz : 7,000 Hz = 4 : 1) At Rated Output 0.02% into 8 ohms Damping Factor 30 (50 Hz) Frequency Response Overell (AUX → SPKR) 10 Hz to 70,000 Hz, +0 dB, −3 dB Phono "RIAA" Response (Phono → REC out) 30 Hz to 20 Hz, ±0.5 dB Power Bandwidth 10 Hz to 50,000 Hz 0.2% T.H.D. 8 ohms Input Sensitivity/Impedance Phono MM 2.5 mV/ 47 k ohms Tuner, AUX., Tape Play 150 mV/ 33 k ohms Signal-to-Noise Ratio (IHF-A) Phono MM 75 dB at 2.5 mV Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level MM 150 mV (Phono to Tape REC), 0.05% T.H.D.		U.S.A., Europe and U.K.)
(20 Hz to 20,000 Hz) At Rated Output	Total Harmonic Distortion	
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At 1/2 Rated Output 0.05% (1,000 Hz) 0.005% Phono → SPKR (8 Ω)/ At −20 dB Volume Level (1,000 Hz) At Rated Output 0.04% Intermodulation Distortion (60 Hz : 7,000 Hz = 4 : 1) 0.02% into 8 ohms Damping Factor 30 (50 Hz) Frequency Response 10 Hz to 70,000 Hz, +0 dB, −3 dB Phono "RIAA" Response (Phono → REC out) 30 Hz to 20 Hz, ±0.5 dB Power Bandwidth 10 Hz to 50,000 Hz 0.2% T.H.D. 8 ohms Input Sensitivity/Impedance Phono MM 2.5 mV/ 47 k ohms Tuner, AUX., Tape Play 150 mV/ 33 k ohms Signal-to-Noise Ratio (IHF-A) Phono MM 81 dB at 2.5 mV Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level 150 mV (Phono to Tape REC), 0.05% T.H.D.	(20 Hz to 20,000 Hz)	
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Power Bandwidth 10 Hz to 50,000 Hz 0.2% T.H.D. 8 ohms Input Sensitivity/Impedance Phono MM 2.5 mV/ 47 k ohms Tuner, AUX., Tape Play 150 mV/ 33 k ohms Signal-to-Noise Ratio (IHF-A) Phono MM 75 dB at 2.5 mV Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level MM 150 mV (Phono to Tape REC), 0.05% T.H.D.		
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Tuner, AUX., Tape Play		0.5 1// 47 !
Signal-to-Noise Ratio (IHF-A) Phono MM		
Phono MM		150 m v / 33 k onms
Phono MM 81 dB at 5.0 mV Tuner, AUX., Tape Play 100 dB Phono Maximum Input Level MM		75 dD a+ 2.5 m\/
Tuner, AUX., Tape Play		
Phono Maximum Input Level MM		
MM		100 06
REC), 0.05% T.H.D.	•	150 mV/ (Phono to Tane
	(VIIVI . , , ,	
		at 1,000 Hz

Output Level/Impedance Tape REC (Pin)	150 mV/ 230 ohms
Tone Control	100 111 / 330 011118
60 Hz, 150 Hz, 400 Hz, 1,000 Hz, 2,400 Hz,	
6,000 Hz, 15,000 Hz	
Filter	
Subsonic	60 Hz, 6 dB/ oct
Loudness Control	
At -30 dB Volume Level	+8 dB at 100 Hz
General	
Power Supply Voltage, Frequency Power Consumption	120 V, 60 Hz (U.S.A. and Canada models), 220 V, 50 Hz (Europe model), 240 V, 50 Hz (U.K. model), 110 ~ 120 V/220 ~ 240 V, 50/60 Hz (Other countries) 2.5 A (U.S.A. and Canada models), 170 W (Other
	countries)
AC Outlet	Countries
Switched	100 W
Unswitched	100 W
Dimensions	W 420 mm
	H 109 mm
	D 282 mm
Weight	
Net	6.6 kg
Gross	7.4 kg
*Measured pursuant to Federal Trade C	Commission's Trade Regula-



tion rule on Power Output Claims for Amplifier in U.S.A



SPECIFICATION

(IHF'66)

Except European and U.K. Models

Power Amplifier Section Rated Power Output

125 watts per channel minimum RMS, both channels driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.05% total harmonic distortion

.125 W + 125 W (Except USA, Europe and U.K.) Both Channels Driven into 8 ohms at 1 kHz **Total Harmonic Distortion** $(AUX - SPKR 8 \Omega)$.0.05% at Rated Output, 20 Hz ~ 20,000 Hz at 1/2 Rated Output, 20 Hz ~ 20,000 Hz ..0.02% .0.007% at 1/2Rated Output, 1 kHz (PHONO – SPKR 8 Ω : at -20 dB VOLUME Level) .0.02% at Rated Output, 1 kHz Intermodulation Distortion ..0.02% at rated power (60 Hz:7 kHz = 4:1). into 8 ohms .20 (1,000 Hz into 8 ohms) **Damping Factor** 10 Hz to 100 kHz, Frequency Response +0 dB, -3 dBInput Sensitivity/Impedance .2.5 mV/47 k ohms Phono MM TUNER, AUX., TAPE PLAY. .150 mV/33 k ohms Signal-to-Noise Ratio (IHF-A) .73 dB for 2.5 mV input Phono MM .79 dB for 5.0 mV input Phono MM .100 dB TUNER, AUX., TAPE PLAY. .140 mV (RMS), T.H.D. 0.05% at 1 kHz Maximum Input Level for Phono MM. Output Level/impedance .150 mV/3.3 k ohms TAPE REC (Pin) .RIAA standard curve ±0.3 dB Frequency Response for Phono. (30 Hz to 20,000 Hz) **Tone Control** ± 10 dB at 100 Hz Bass . ±8 dB at 10 kHz +8 dB at 100 Hz Loudness Control (at -30 dB VOLUME Level) .18 Hz, 6 dB/oct. Subsonic Filter General .4.1 A (USA and Canada: UL and CSA) **Power Consumption** 230 W (Others) Switched 2. Unswitched 1 AC Outlets (Except some countries) .W: 420 mm (16-9/16") **Dimensions** H: 109 mm (4-5/16") D: 280 mm (11") .8.5 kg (18.7 lb) Weight (Net)

KA-95

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